

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	((("3594790") or ("3935557") or ("5448243") or ("5483455") or ("5493309") or ("5619211") or ("6253064"))).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/07/09 16:41
S2	15595	(701/1 701/200 701/205 701/206 701/207 701/208 701/213 701/214 701/223 701/300 701/301 340/961 340/905 340/901 340/903 340/907 340/945 340/953 340/953 340/956 340/958 340/972 340/982 340/983 340/988 340/990 340/993).ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 16:44
S3	2217	S2 and (infrared or optical or light) near9 (beacon or marker or transmitter or transponder or sensor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 16:47
S4	2072	S3 and (position or location or proximity)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 16:49
S5	1682	S4 and (object or vehicle or aircraft) near9 (location or identification or ID or tail near4 number or flight near3 number or position)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 16:52
S6	1138	S5 and (infrared or LED or laser)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 16:52
S7	85	S5 and (infrared or LED or laser) near9 (beacon or transponder or transmitter)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 19:10
S8	15595	(701/1 701/200 701/205 701/206 701/207 701/208 701/213 701/214 701/223 701/300 701/301 340/961 340/905 340/901 340/903 340/907 340/945 340/953 340/953 340/956 340/958 340/972 340/982 340/983 340/988 340/990 340/993).ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 19:12
S9	838	S8 and (airfield or airport or taxiway or runway) and (location or position) near6 (code or signal or transmitter or transponder or receiver)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 19:13
S10	258	S9 and (location or position) near5 (transmitter or transponder or beacon)	US-PGPUB; USPAT;	OR	ON	2006/07/09 19:14

			EPO; JPO			
S11	137	S10 and (optical or infrared or LED)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 19:52
S12	11	S11 and tail near5 number	US- PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 19:15
S13	0	S11 not S10	US- PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 19:53
S14	126	S11 not S12	US- PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/09 19:53
S15	19097	(701/1 701/200 701/205 701/206 701/207 701/208 701/213 701/214 701/223 701/300 701/301 340/961 340/905 340/901 340/903 340/907 340/945 340/953 340/953 340/956 340/958 340/972 340/982 340/983 340/988 340/990 340/993).ccls.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/06/17 23:02
S16	1045	S15 and (airfield or airport or taxiway or runway) and (location or position) near6 (code or signal or transmitter or transponder or receiver)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/06/17 23:02
S17	198	S16 and (location or position) near5 (transmitter or transponder or beacon) and @pd>"20021015"	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/06/17 23:02
S18	98	(US-20060049930-\$ or US-20060232957-\$ or US-20020080046-\$ or US-20050046569-\$ or US-20070152804-\$ or US-20080062011- \$).did. or (US-4336606-\$ or US-4868567-\$ or US-5179384-\$ or US-5268698-\$ or US- 5317309-\$ or US-5359325-\$ or US-5926115- \$ or US-6381541-\$ or US-6198432-\$ or US- 4172632-\$ or US-4475102-\$ or US-4792904- \$ or US-4896154-\$ or US-5225828-\$ or US- 5259728-\$ or US-5321615-\$ or US-5594201- \$ or US-5604849-\$ or US-5651676-\$ or US- 5779349-\$ or US-6023235-\$ or US-6033083- \$ or US-6047233-\$ or US-6142421-\$ or US- 6920390-\$ or US-5562162-\$).did. or (US- 5950872-\$ or US-5988439-\$ or US-6023665- \$ or US-6039123-\$ or US-6182710-\$ or US- 6216790-\$ or US-5560005-\$ or US-5724575- \$ or US-6134583-\$ or US-4513438-\$ or US- 5720023-\$ or US-5845125-\$ or US-6144338- \$ or US-6233621-\$ or US-4837489-\$ or US- 5504671-\$ or US-5543608-\$ or US-5642365- \$ or US-5655101-\$ or US-5699518-\$ or US- 5724503-\$ or US-5793965-\$ or US-5799185-	US- PGPUB; USPAT	OR	ON	2008/07/04 19:54

		\$ or US-5926835-\$ or US-5991823-\$ or US-6009266-\$ or US-6052528-\$).did. or (US-6094649-\$ or US-6154742-\$ or US-6219048-\$ or US-6233730-\$ or US-4325570-\$ or US-4454579-\$ or US-4503492-\$ or US-4514028-\$ or US-4763937-\$ or US-4825463-\$ or US-4837426-\$ or US-4985614-\$ or US-5191534-\$ or US-5212790-\$ or US-5225813-\$ or US-5257376-\$ or US-5257400-\$ or US-5272527-\$ or US-5291589-\$ or US-5305372-\$ or US-5361396-\$ or US-5367395-\$ or US-5367683-\$ or US-5410828-\$ or US-5429430-\$ or US-5434961-\$ or US-5446899-\$).did. or (US-5459860-\$ or US-5491483-\$ or US-5506984-\$ or US-5533182-\$ or US-5535392-\$ or US-5544317-\$ or US-5546521-\$ or US-5555003-\$ or US-5557790-\$ or US-5560010-\$ or US-5561778-\$ or US-5564044-\$).did.				
S20	99	(US-20060049930-\$ or US-20090021397-\$ or US-20030009278-\$ or US-20030105580-\$ or US-20070112517-\$ or US-20020109612-\$ or US-20020080046-\$ or US-20050046569-\$ or US-20060232957-\$ or US-20030122666-\$ or US-20020115422-\$ or US-20030033084-\$ or US-20030222795-\$ or US-20070010921-\$ or US-20070115165-\$ or US-20080140269-\$ or US-20080195309-\$).did. or (US-5268698-\$ or US-5926115-\$ or US-5448243-\$ or US-6947742-\$ or US-6920390-\$ or US-5594201-\$ or US-5779349-\$ or US-6033083-\$ or US-4336606-\$ or US-5179384-\$ or US-5317309-\$ or US-5359325-\$ or US-6381541-\$ or US-5375058-\$ or US-5469371-\$ or US-4516125-\$ or US-4163283-\$ or US-4179695-\$ or US-5218360-\$ or US-5354014-\$ or US-5541362-\$ or US-5785409-\$ or US-5857646-\$ or US-6113245-\$ or US-6305484-\$ or US-6359583-\$).did. or (US-6862519-\$ or US-5335112-\$ or US-5351194-\$ or US-5714948-\$ or US-6380869-\$ or US-6552669-\$ or US-4172632-\$ or US-4475102-\$ or US-4792904-\$ or US-5259728-\$ or US-5321615-\$ or US-5604849-\$ or US-5651676-\$ or US-5562162-\$ or US-5950872-\$ or US-5988439-\$ or US-6023665-\$ or US-6039123-\$ or US-6182710-\$ or US-6216790-\$ or US-5696514-\$ or US-5577687-\$ or US-4868567-\$ or US-5675363-\$ or US-5557278-\$ or US-5626310-\$ or US-5724040-\$).did. or (US-6029928-\$ or US-4037086-\$ or US-4333081-\$ or US-4511247-\$ or US-4567483-\$ or US-4856896-\$ or US-4896588-\$ or US-4940986-\$ or US-5017930-\$ or US-5208600-\$ or US-5221924-\$ or US-5320180-\$ or US-5351077-\$ or US-5359334-\$ or US-5459468-\$ or US-5483241-\$ or US-5719567-\$ or US-5748136-\$ or US-5771018-\$ or US-5889479-\$ or US-6027239-\$ or US-6157876-\$ or US-6320516-\$ or US-6571166-\$ or US-6606563-\$ or US-6694249-\$ or US-6748325-\$).did. or (US-6850185-\$ or US-6963291-\$).did.	US-PGPUB; USPAT	OR	ON	2009/03/16 10:59
S21	19	("20020126022"   "20030011494"   "20030125868"   "20040036611"   "20060145893"   "3594790"   "3935557"	US-PGPUB; USPAT	OR	ON	2009/03/20 14:32

		"4527158"   "5225828"   "5448243"   "5483455"   "5493309"   "5519618"   "5619211"   "5666109"   "6253064"   "6327535"   "6606033"   "6920390").PN.				
S22	99	(US-20060049930-\$ or US-20090021397-\$ or US-20030009278-\$ or US-20030105580-\$ or US-20070112517-\$ or US-20020109612-\$ or US-20020080046-\$ or US-20050046569-\$ or US-20060232957-\$ or US-20030122666-\$ or US-20020115422-\$ or US-20030033084-\$ or US-20030222795-\$ or US-20070010921-\$ or US-20070115165-\$ or US-20080140269-\$ or US-20080195309-\$).did. or (US-5268698-\$ or US-5926115-\$ or US-5448243-\$ or US- 6947742-\$ or US-6920390-\$ or US-5594201-\$ or US-5779349-\$ or US-6033083-\$ or US- 4336606-\$ or US-5179384-\$ or US-5317309-\$ or US-5359325-\$ or US-6381541-\$ or US- 5375058-\$ or US-5469371-\$ or US-4516125-\$ or US-4163283-\$ or US-4179695-\$ or US- 5218360-\$ or US-5354014-\$ or US-5541362-\$ or US-5785409-\$ or US-5857646-\$ or US- 6113245-\$ or US-6305484-\$ or US-6359583-\$). did. or (US-6862519-\$ or US-5335112-\$ or US-5351194-\$ or US-5714948-\$ or US- 6380869-\$ or US-6552669-\$ or US-4172632-\$ or US-4475102-\$ or US-4792904-\$ or US- 5259728-\$ or US-5321615-\$ or US-5604849-\$ or US-5651676-\$ or US-5562162-\$ or US- 5950872-\$ or US-5988439-\$ or US-6023665-\$ or US-6039123-\$ or US-6182710-\$ or US- 6216790-\$ or US-5696514-\$ or US-5577687-\$ or US-4868567-\$ or US-5675363-\$ or US- 5557278-\$ or US-5626310-\$ or US-5724040-\$). did. or (US-6029928-\$ or US-4037086-\$ or US-4333081-\$ or US-4511247-\$ or US- 4567483-\$ or US-4856896-\$ or US-4896588-\$ or US-4940986-\$ or US-5017930-\$ or US- 5208600-\$ or US-5221924-\$ or US-5320180-\$ or US-5351077-\$ or US-5359334-\$ or US- 5459468-\$ or US-5483241-\$ or US-5719567-\$ or US-5748136-\$ or US-5771018-\$ or US- 5889479-\$ or US-6027239-\$ or US-6157876-\$ or US-6320516-\$ or US-6571166-\$ or US- 6606563-\$ or US-6694249-\$ or US-6748325-\$). did. or (US-6850185-\$ or US-6963291-\$). did.	US-PGPUB; USPAT	OR	ON	2009/03/20 14:32
S23	10	(US-20060145893-\$ or US-20030011494-\$ or US-20020126022-\$).did. or (US-6920390-\$ or US-5225828-\$ or US-4134007-\$ or US- 6381541-\$ or US-5321615-\$ or US-5317309-\$ or US-5268698-\$).did.	US-PGPUB; USPAT	OR	ON	2009/11/21 17:08
S24	2	("6381541" "4527158").pn.	US-PGPUB; USPAT	OR	ON	2009/11/21 17:24
S25	513	(airport or airfield) and (transponder or receive\$3 or transmit\$4) and (location or position) and (proximity or close\$4) and (vehicle or airplane or aircraft) near9 (id or identification or "tail number" or "flight number") and (LED or LEDs or IR or "laser diode")	US-PGPUB; USPAT	OR	ON	2009/11/21 18:15

S26	421	(airport or airfield) and (transponder or receive\$3 or transmit\$4) and ((location or position) same (proximity or close\$4)) and (vehicle or airplane or aircraft) near9 (id or identification or "tail number" or "flight number") and (LED or LEDs or IR or "laser diode")	US-PGPUB; USPAT	OR	ON	2009/11/21 18:16
S27	311	S26 and wireless	US-PGPUB; USPAT	OR	ON	2009/11/21 18:17
S28	192	S27 and (runway or taxiway or gate\$3)	US-PGPUB; USPAT	OR	ON	2009/11/21 18:18
S29	164	S27 and display near9 (location or position or runway or taxiway or gate\$2 or airport or airfield or traffic)	US-PGPUB; USPAT	OR	ON	2009/11/21 18:20
S30	102	S28 and (transponder or transceiver)	US-PGPUB; USPAT	OR	ON	2009/11/21 18:26
S31	102	S30 and (optical or IR or infrared or LED)	US-PGPUB; USPAT	OR	ON	2009/11/21 18:33
S32	96	S30 and (guidance near7 marker or sign or directions)	US-PGPUB; USPAT	OR	ON	2009/11/21 18:35
S33	6	S31 not S32	US-PGPUB; USPAT	OR	ON	2009/11/21 18:36
S34	2	("6381541" "4527158").pn.	US-PGPUB; USPAT	OR	ON	2009/11/22 17:17
S35	48431	(location or position) same (transmit\$6 or receiv\$6 or transceiver) and (optical\$4 or light or infrared) same (identification or identify\$4) and (object or vehicle or aircraft)	US-PGPUB; USPAT	OR	ON	2010/07/28 09:46
S36	17879	(location or position) with (transmit\$6 or receiv\$6 or transceiver) and (optical\$4 or light or infrared) with (identification or identify\$4) and (object or vehicle or aircraft)	US-PGPUB; USPAT	OR	ON	2010/07/28 10:54
S37	2	("5604756" "5990826").pn.	US-PGPUB; USPAT	OR	ON	2010/07/28 11:31
S38	18	("20030125868"   "20060145893"   "5666109"   "6920390"   "5519618"   "6091358"   "6327535"   "6381541"   "5448243"   "5619211"   "20020126022"   "20030011494"   "6606033"   "20020187779"   "4834531"   "3594790"   "3935557"   "4527158"   "20080310850"   "5268698"   "5483455"   "5493309"   "6253064"   "20040036611"   "5225828").PN.	USPAT	OR	OFF	2011/11/14 09:08
S39	18	("20030125868"   "20060145893"   "5666109"   "6920390"   "5519618"   "6091358"   "6327535"   "6381541"   "5448243"   "5619211"   "20020126022"   "20030011494"   "6606033"   "20020187779"   "4834531"   "3594790"   "3935557"   "4527158"   "20080310850"   "5268698"   "5483455"   "5493309"   "6253064"	USPAT	OR	OFF	2011/11/14 11:10

		"20040036611"   "5225828").PN.				
S40	36	((location or position) near7 (ID or identif\$8 or code)) and (optical or light or infrared or IR) near7 (signal\$3 or receiv\$5 or transmit\$5) and transponder near7 (optical or IR or infrared) and (object or vehicle or aircraft or airplane) near7 (location and (identification or ID))	USPAT	OR	OFF	2011/11/14 15:35
S41	5291	(701/400,408,516,517,300 340/901,945,981,982,983,988,989,991 342/29,30,52,53,58).ccls.	USPAT	OR	OFF	2011/11/14 17:01
S42	1	S40 and S41	USPAT	OR	OFF	2011/11/14 17:01
S43	1	S40 and ((location or position) near7 (code or data)) with (light or infrared or IR) and ((location or position) near7 (ID or identif\$7)) with (RF or radio or frequency)	USPAT	OR	OFF	2011/11/14 17:06
S46	6	("5805082" "5721678" "6091358" "6327535" "5268698" "5666109").pn.	US-PGPUB; USPAT	OR	ON	2011/11/25 14:50
S47	25	("20030125868"   "20060145893"   "5666109"   "6920390"   "5519618"   "6091358"   "6327535"   "6381541"   "5448243"   "5619211"   "20020126022"   "20030011494"   "6606033"   "20020187779"   "4834531"   "3594790"   "3935557"   "4527158"   "20080310850"   "5268698"   "5483455"   "5493309"   "6253064"   "20040036611"   "5225828").PN.	US-PGPUB; USPAT	OR	ON	2011/11/25 14:52
S48	2	S46 not S47	US-PGPUB; USPAT	OR	ON	2011/11/25 14:52
S50	57	((location or position) near7 (ID or identif\$8 or code)) and (optical or light or infrared or IR) near7 (signal\$3 or receiv\$5 or transmit\$5) and transponder near7 (optical or IR or infrared) and (object or vehicle or aircraft or airplane) near7 (location and (identification or ID))	US-PGPUB; USPAT	OR	OFF	2011/11/28 14:43
S51	2	("5805082" "5721678").pn.	US-PGPUB; USPAT	OR	ON	2011/11/28 14:46
S53	18	(US-20080310850-\$ or US-20020187779-\$ or US-20050007257-\$).did. or (US-6920390-\$ or US-5225828-\$ or US-6381541-\$ or US-5268698-\$ or US-6693512-\$ or US-6653946-\$ or US-6641042-\$ or US-6388755-\$ or US-6356210-\$ or US-6219596-\$ or US-5805082-\$ or US-5253162-\$ or US-5721678-\$ or US-4325146-\$ or US-4207468-\$).did.	US-PGPUB; USPAT	OR	ON	2011/11/29 15:49
S54	25	("20030125868"   "20060145893"   "5666109"   "6920390"   "5519618"   "6091358"   "6327535"   "6381541"   "5448243"   "5619211"   "20020126022"   "20030011494"   "6606033"   "20020187779"   "4834531"   "3594790"   "3935557"   "4527158"   "20080310850"   "5268698"   "5483455"   "5493309"   "6253064"   "20040036611"   "5225828").PN.	US-PGPUB; USPAT	OR	ON	2011/11/29 15:49
S55	12	S53 not S54	US-	OR	ON	2011/11/29

			PGPUB; USPAT			15:49
S56	1	"4527158".pn.	US- PGPUB; USPAT	OR	ON	2011/11/29 16:39
S57	3	("5721678" "6693512" "4527158").pn.	US- PGPUB; USPAT	OR	ON	2011/12/15 10:14

EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S45	7	"I1" and (((location or position) near7 (code or data)) with (light or infrared or IR) and (((location or position) near7 (ID or identif\$7)) with (RF or radio or frequency)	USPAT; UPAD	OR	OFF	2011/11/14 17:07
S52	36	(((location or position) near7 (ID or identif\$8 or code)) and (optical or light or infrared or IR) near7 (signal\$3 or receiv\$5 or transmit\$5) and transponder near7 (optical or IR or infrared) and (object or vehicle or aircraft or airplane) near7 (location and (identification or ID))	USPAT; UPAD	OR	OFF	2011/11/28 14:32

12/ 17/ 2011 10:08:09 AM  
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